



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Stephen Robert Bloom, Mohammad Ali Ghatei, Caroline Jane Small, Catherine Louise Dakin

Serial No.: 10/541,526 Art Unit: 1646

Filed: July 7, 2005 Examiner: Not Yet Assigned

For: *MODIFICATION OF FEEDING BEHAVIOUR*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit an Information Disclosure Statement, including (3) pages of Form PTO-1449 and copies of document (28) cited therein.

Pursuant to the waiver in the notice entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003" published on August 5, 2003 in 1273 OG 55, a copy of cited U.S Patents and Published Applications are not enclosed. Copies will be provided upon request, however.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 50-3129.

U.S.S.N.: 10/541,526
Filed: July, 7 2005
INFORMATION DISCLOSURE STATEMENT

U.S. Patents

<u>Number</u>	<u>Issue Date</u>	<u>Patentee</u>	<u>Class/Subclass</u>
5,026,685	06-25-1991	Boublik, et al.	514/13
5,574,010	11-12-1996	McFadden	514/12
5,604,203	02-18-1997	Balasubramaniam	514/12
5,696,093	12-09-1997	Tseng, et al.	514/14
6,046,167	04-04-2000	Balasubramaniam	514/13
6,191,102	02-20-2001	DiMarchi, et al.	514/2
6,608,098	08-19-2003	Nagase, et al.	514/411
6,620,910	09-16-2003	Calas, et al.	530/324

Foreign Documents

<u>Number</u>	<u>Publication Date</u>	<u>Patentee</u>	<u>Country</u>
0 619 332	10-12-1994	Kuraray Co., Ltd.	EP
0 795 562	09-17-1997	Kyowa Hakko	EP
		Kogyo Co., Ltd.	
WO 93/19175	09-30-1993	Thorens Bernard	PCT
WO 99/43707	09-02-1999	Novo Nordisk A/S	PCT
WO 00/42026	07-20-2000	Novonordisk AS and	PCT
		Agouron Pharma	
WO 00/59887	10-12-2000	Neurogen Corporation	PCT
WO 00/78333	12-28-2000	Eli Lilly & Co.	PCT
WO 01/04156	01-18-2001	Zealand Pharmaceuticals	PCT
		A/S	
WO 01/14368	03-01-2001	Viropharma Incorporated	PCT
WO 01/35988	05-25-2001	Novo Nordisk A/S	PCT
WO 01/66135	09-13-2001	Novo Nordisk A/S	PCT
WO 01/89554	11-29-2001	Bionebraska, Inc.	PCT
WO 02/03978	01-17-02	Metabasis Therapeutics, Inc	PCT
		& Sankyo Company, Ltd	
WO 02/66479	08-29-2002	Banyu Pharmaceutical	PCT
		Co., Ltd	
WO 02/67918	09-06-2002	Banyu Pharmaceutical	PCT
		Co., Ltd	
WO 03/022304	03-20-2003	IC Innovations	PCT

INFORMATION DISCLOSURE STATEMENT

Publications

ADRIAN, et al., "Effect of peptide YY on gastric, pancreatic, and biliary function in humans," *Gastroenterology*, 89:494-499 (1985).

CUMMINGS, et al., "A preprandial rise in plasma ghrelin levels suggests a role in meal initiation in humans", *Diabetes*, 50:1714- 1719 (2001).

DAKIN, et al., "Repeated ICV administration of oxyntomodulin causes a greater reduction in body weight gain than in pair-fed rats", *Am J Physiol Endocrinol Metab.*, 283(6):E1173-7 (2002).

DAKIN, et al., "Oxyntomodulin inhibits food intake in the rat", *Endocrinology*, 142:4244-4250 (2001).

ENG, et al., "Isolation and characterization of exendin-4, an exendin-3 analogue, from *Heloderma suspectum* venom. Further evidence for an exendin receptor on dispersed acini from guinea pig pancreas", *J Biol Chem*, 267:7402-7405 (1992).

ENGLISH, "Food fails to suppress ghrelin levels in obese humans", *J Clin Endocrinol Metab*, 87:2984-87 (2002).

GHATEI, et al., "Molecular forms of human enteroglucagon in tissue and plasma: plasma responses to nutrient stimuli in health and in disorders of the upper gastrointestinal tract", *J Clin Endocrinol Metab*, 57:488-495 (1983).

KREYMANN, "Glucagon-like peptide-1 7-36: a physiological incretin in man", *Lancet*, 2:1300-1304 (1987).

TATEMOTO, "Isolation and characterization of peptide YY (PYY), a candidate gut hormone that inhibits pancreatic exocrine secretion", *Proc. Natl. Acad. Sci.*, 79:2514-8 (1982).

UESAKA, et al., "Glucagon-like peptide isolated from the eel intestine: effects on atrial beating", *J Exp Biol.*, 204(Pt 17):3019-26 (2001).

WREN, et al., "Ghrelin enhances appetite and increases food intake in humans", *J Clin Endocrinol Metab*, 86:5992-5 (2001).

WYNNE, et al., "Subcutaneous oxyntomodulin reduces body weight in overweight and obese subjects: a double-blind, randomized, controlled trial", *Diabetes*, 54(8):2390-5 (2005).

U.S.S.N.: 10/541,526

Filed: July, 7 2005

INFORMATION DISCLOSURE STATEMENT

Remarks

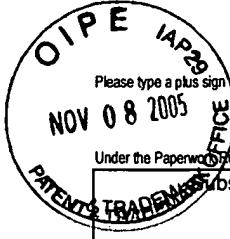
This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,

Rivka D. Monheit
Rivka D. Monheit
Reg. No. 48,731

Dated: November 4, 2005

PABST PATENT GROUP LLP
400 Colony Square, Suite 1200
1201 Peachtree Street
Atlanta, Georgia 30361
(404) 879-2151 (Telephone)
(404) 879-2160 (Fax)



Please type a plus sign (+) inside this box →

+

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/541,526
		Filing Date	July 7, 2005
		First Named Inventor	Stephen Robert Bloom
		Group Art Unit	1646
		Examiner Name	
Sheet	1	of	3
		Attorney Docket Number	AI 9250US

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

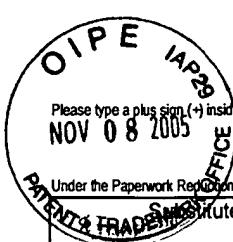
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
			0 619 332		Kuraray Co., Ltd.	10-12-1994		
			0 795 562		Kyowa Hakko Kogyo Co., Ltd.	09-17-1997		
			WO 93/19175		Thorens Bernard	09-30-1993		
			WO 99/43707		Novo Nordisk A/S	09-02-1999		
			WO 00/42026		Novonordisk AS and Agouron Pharma	07-20-2000		
			WO 00/59887		Neurogen Corporation	10-12-2000		

**Examiner's
Signature** _____ **Date Considered** _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.



Please type a plus sign (+) inside this box →
NOV 08 2005

NOV 08 2005

+

PTO/SB/08A (10-96)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

 INSTITUTE FOR FORM 1449A/PTO		Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/541,526	
		Filing Date	July 7, 2005	
		First Named Inventor	Stephen Robert Bloom	
		Group Art Unit	1646	
		Examiner Name		
Sheet	2	of	3	
			Attorney Docket Number	AI 9250US

FOREIGN PATENT DOCUMENTS

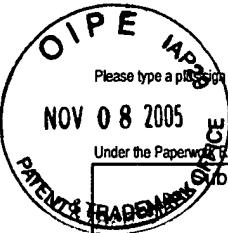
OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Signature		Date Considered	
-------------------------	--	-----------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commissioner for Patent, Washington, DC 20231.



Please type a plus sign (+) inside this box →

NOV 08 2005

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

			Complete if Known	
			Application Number	10/541,526
			Filing Date	July 7, 2005
			First Named Inventor	Stephen Robert Bloom
			Group Art Unit	1646
			Examiner Name	
Sheet	3	of	3	Attorney Docket Number
				AI 9250US

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		ADRIAN, et al., "Effect of peptide YY on gastric, pancreatic, and biliary function in humans," <i>Gastroenterology</i> , 89:494-499 (1985).	
		CUMMINGS, et al., "A preprandial rise in plasma ghrelin levels suggests a role in meal initiation in humans", <i>Diabetes</i> , 50:1714-1719 (2001).	
		DAKIN, et al., "Repeated ICV administration of oxyntomodulin causes a greater reduction in body weight gain than in pair-fed rats", <i>Am J Physiol Endocrinol Metab.</i> , 283(6):E1173-7 (2002).	
		DAKIN, et al., "Oxyntomodulin inhibits food intake in the rat", <i>Endocrinology</i> , 142:4244-4250 (2001).	
		ENG, et al., "Isolation and characterization of exendin-4, an exendin-3 analogue, from Heloderma suspectum venom. Further evidence for an exendin receptor on dispersed acini from guinea pig pancreas", <i>J Biol Chem</i> , 267:7402-7405 (1992).	
		ENGLISH, "Food fails to suppress ghrelin levels in obese humans", <i>J Clin Endocrinol Metab</i> , 87:2984-87 (2002).	
		GHATEI, et al., "Molecular forms of human enteroglucagon in tissue and plasma: plasma responses to nutrient stimuli in health and in disorders of the upper gastrointestinal tract", <i>J Clin Endocrinol Metab</i> , 57:488-495 (1983).	
		KREYMAN, "Glucagon-like peptide-1 7-36: a physiological incretin in man", <i>Lancet</i> , 2:1300-1304 (1987).	
		TATEMOTO, "Isolation and characterization of peptide YY (PYY), a candidate gut hormone that inhibits pancreatic exocrine secretion", <i>Proc. Natl. Acad. Sci.</i> , 79:2514-8 (1982).	
		UESAKA, et al., "Glucagon-like peptide isolated from the eel intestine: effects on atrial beating", <i>J Exp Biol.</i> , 204(Pt 17):3019-26 (2001).	
		WREN, et al., "Ghrelin enhances appetite and increases food intake in humans", <i>J Clin Endocrinol Metab</i> , 86:5992-5 (2001).	
		WYNNE, et al., "Subcutaneous oxyntomodulin reduces body weight in overweight and obese subjects: a double-blind, randomized, controlled trial", <i>Diabetes</i> , 54(8):2390-5 (2005).	

Examiner's Signature		Date Considered	
----------------------	--	-----------------	--

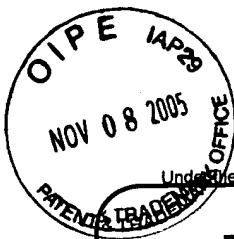
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.

+

JCS: Rec'd PCT/PTO 08 NOV 2005 PCT



PTO/SB/21 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	Application Number 10/541,526
	Filing Date July 7, 2005
	First Named Inventor Stephen Robert Bloom
	Art Unit 1646
	Examiner Name
	Attorney Docket Number AI 9250 US

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): Three (3) pages of PTO-1449; twenty-eight (28) references; return postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Pabst Patent Group LLP		
Signature			
Printed name	Rivka D. Monheit		
Date	November 4, 2005	Reg. No.	48,731

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Ronna Berman	Date	November 4, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number	10/541,526
Filing Date	July 7, 2005
First Named Inventor	Stephen Robert Bloom
Examiner Name	
Art Unit	1646
Attorney Docket No.	AI 9250 US

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 50-3129 Deposit Account Name: Pabst Patent Group LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Fee (\$)	Small Entity Fee (\$)
----------	-----------------------

50 25

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

200 100

Multiple dependent claims

360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
24 - 24 or HP =	0	x	=			

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Fee (\$)	Fee Paid (\$)
3 - 3 or HP =	0	x	=		

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other:

Fees Paid (\$)

Fees Paid (\$)

SUBMITTED BY

Signature	Rivka D. Monheit	Registration No. 48,731 (Attorney/Agent)	Telephone (404) 879-2152
Name (Print/Type)	Rivka D. Monheit	Date November 4, 2005	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.